One-Step Algebraic Equations Worksheet

Solve the equations.

① $\dfrac{x}{5} = -1$ ② $f + 2 = -11$

③ $-b + 3 = -26$ ④ $-33 = x + 1$

⑤ $8.3v = -51$ ⑥ $-1.8 = \dfrac{m}{4.4}$

⑦ $-144 = -24y$ ⑧ $-21 + q = 8$

⑨ $c - 11 = -7$ ⑩ $n - 2 = -2$

One-Step Algebraic Equations Worksheet

Answers

(1) $\dfrac{x}{5} = -1$ (2) $f + 2 = -11$

$x = -5$ $f = -13$

(3) $-b + 3 = -26$ (4) $-33 = x + 1$

$b = 29$ $x = -34$

(5) $8.3v = -51$ (6) $-1.8 = \dfrac{m}{4.4}$

$v = 6.14$ $m = -7.92$

(7) $-144 = -24y$ (8) $-21 + q = 8$

$y = 6$ $q = 29$

(9) $c - 11 = -7$ (10) $n - 2 = -2$

$c = 4$ $n = 0$